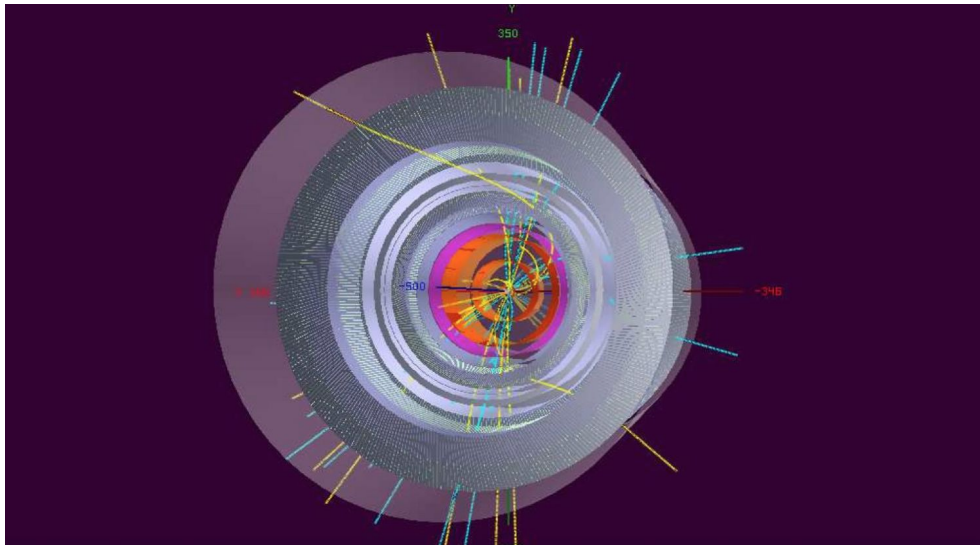


# Event display



Sookhyun Lee

# Motivation

- Help new sPHENIX software users visualize detector configuration
- Fully reconstructed jets will be nicer to be shown in 3D
- Something similar to PHENIX event display will be a good place to start
- Forked Aaron Key's online display codes to get started
- Getting inputs from Jin & Haiwang, need more from collaboration

# Event display framework

## Input

An event from  
(event generator  
or DST or PRDF)

## Fun4All

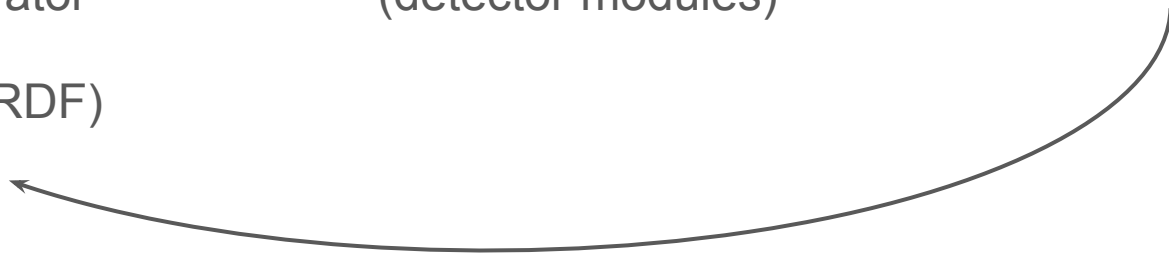
process event  
(detector modules)

## TEve ROOT class

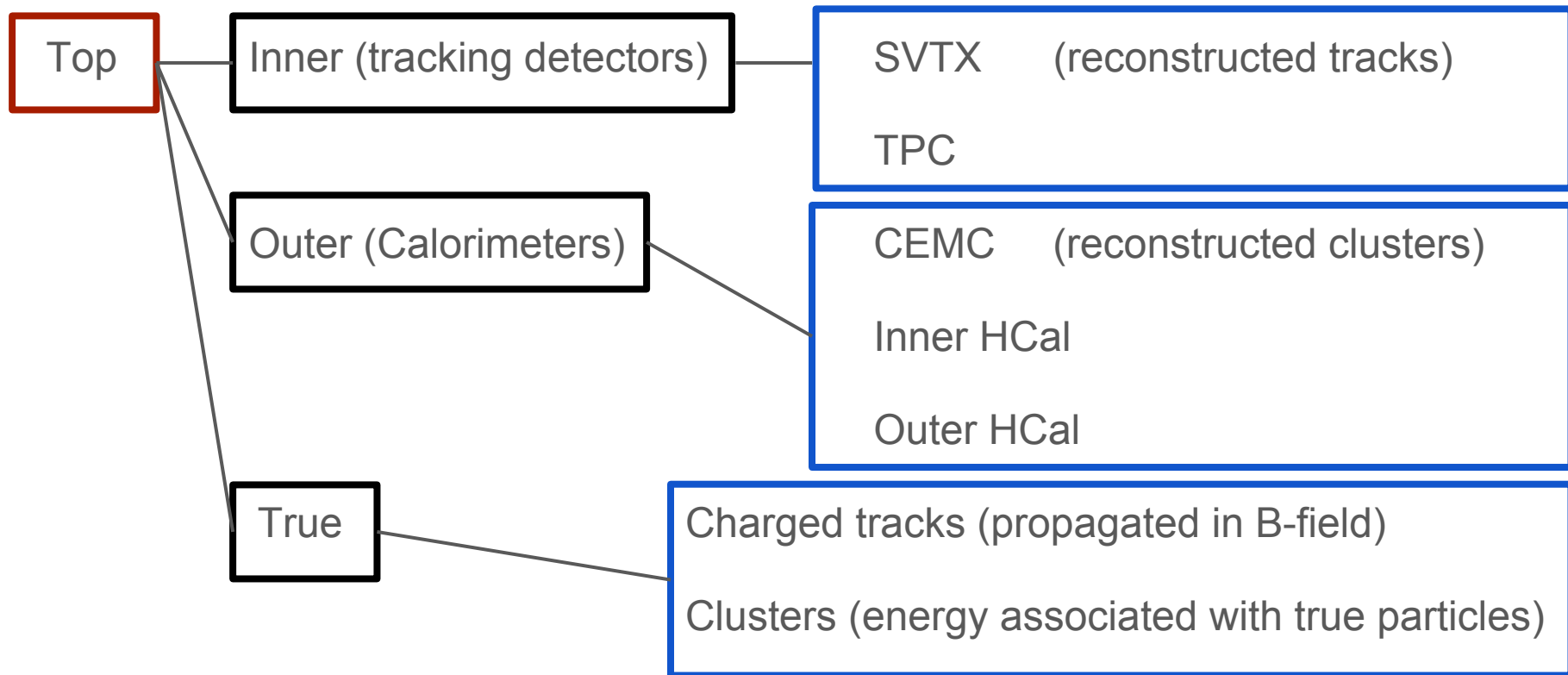
draw

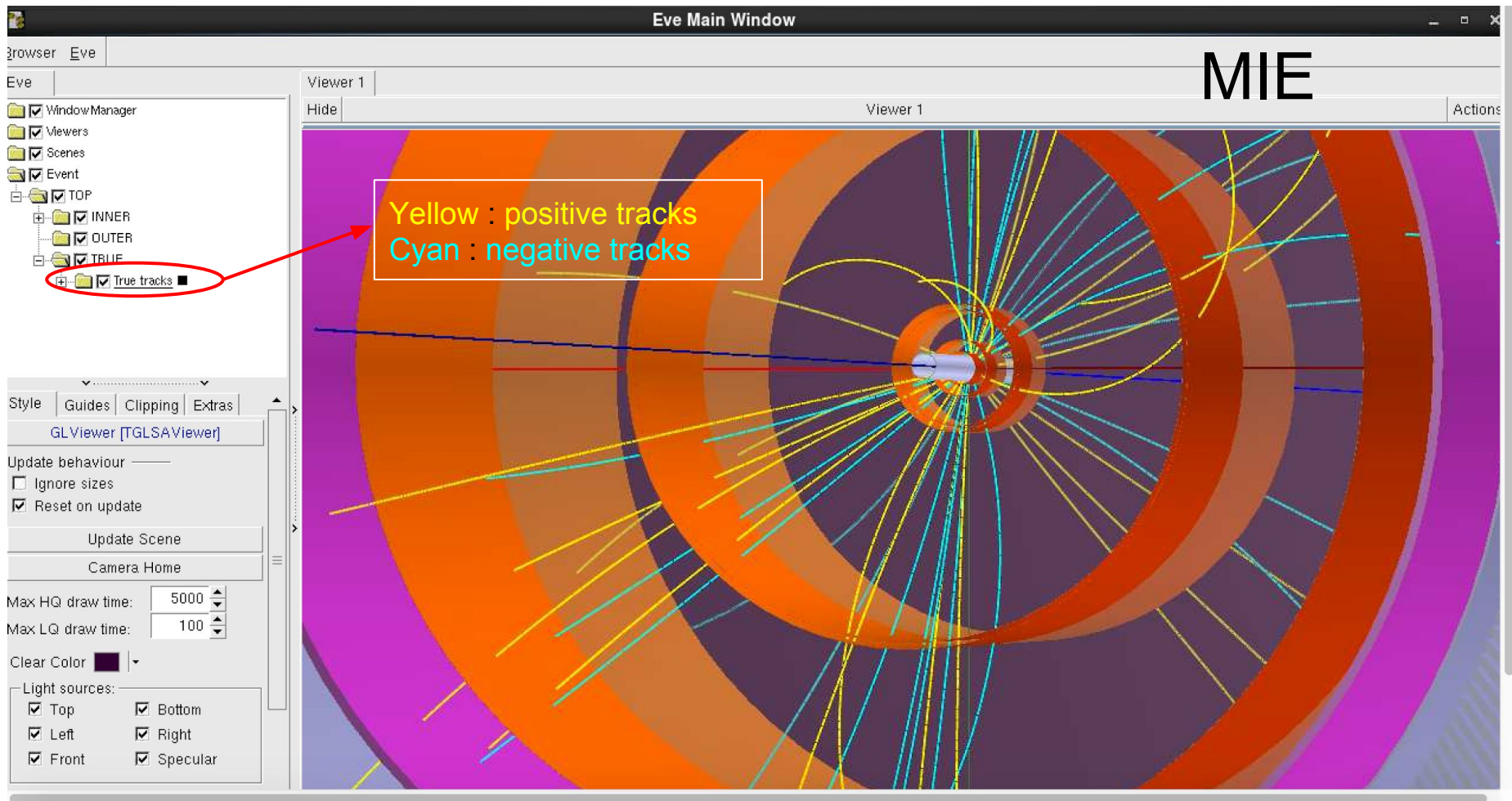
sPHENIX geometry  
sPHENIX B-field map

next event



# Event structure



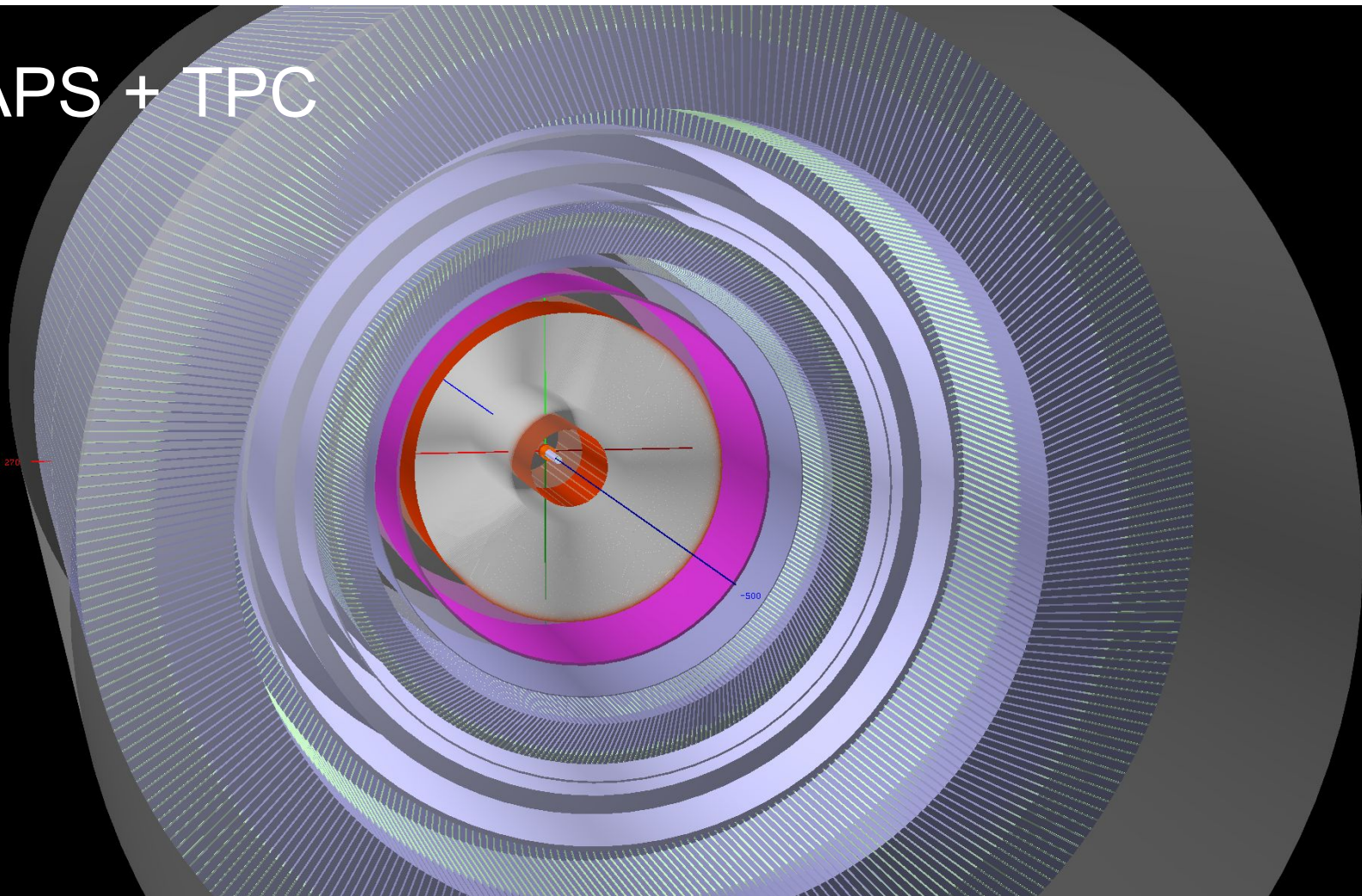




# MAPS + TPC

x 270

-500



# Selective drawing of different probes

- Jets → next step
- Upsilons
- and so on...

